



FACT SHEET

UNITED STATES AIR FORCE

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505 Systems Squadron (SYS)



The 505 SYS is AFC2TIG's communications support team comprised of the group's premier testing, training, and exercising experts who serve the evolving needs of today's elite warfighters. In 1997, the squadron established the first-ever testing and training AOC in the Air Force. The 505 SYS facility provides AFC2TIG squadrons a forum for testing, evaluating, and training in fixed/tactical communications and data links while allowing for a near real-world environment for Air Force-level exercises and experiments, such as Joint Expeditionary Force Experiment.

The 505 SYS is also the only US Air Force testbed tasked to test the Ground Theater Air Control System (GTACS) equipment and assist in the development of tactics, techniques, and procedures for the AC2ISRC. In this capacity, the squadron provides administrative support and conducts tests and evaluations and concept demonstrations of state-of-the-art technology for GTACS and Combat Air Forces. The 505 SYS was key to testing of the US Air Force's \$2.4 billion Modular Control Equipment (MCE) and developing and demonstrating the Combat Integration Center for the Department of Defense's Theater Air Defense/Theater Missile Defense Program.